Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

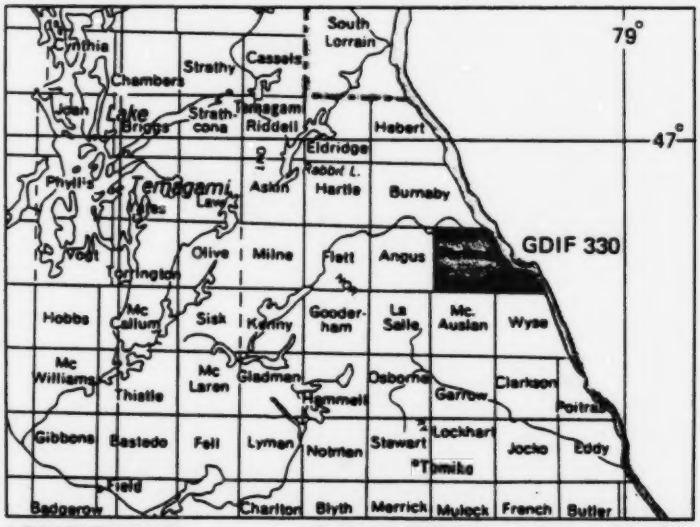
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 330

PARKMAN TOWNSHIP

DISTRICT OF NIPISSING

Compiled by the staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

87-01245/

NTS Number 31L/14

Mining Claim Map Number M-563

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Parkman Township, District of Nipissing, Ontario Geological Survey, Geological Data Inventory Folio 330, compiled by the Staff of the Resident Geologist's Office, Cobalt, 24 pages and 2 maps.

Original Compilation by: Patricia Anderson, February 14, 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

PARKMAN TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 map
Exploration Data Map - 1 map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	Yes	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- ▲ cp. . . . . Chalcopyrite
- ▲ ch. . . . . Chert
- △ clay . . . . . Clay
- ▲ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- ▲ dol . . . . . Dolomite
- ▲ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- ▲ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- ▲ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- ▲ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- ▲ Fe . . . . . Iron
- ▲ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- ▲ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- ▲ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- ▲ ma . . . . . Marl
- ▲ mi . . . . . Mica
- △ mi . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- ▲ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- ▲ Pt. . . . . Platinum
- ▲ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- ▲ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- ▲ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- ▲ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr. . . . . Zircon
- ▲ lst. . . . . Limestone
- ▲ S. . . . . Sulphur

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Green Lake	IF - major	N-0074	MDC 11, p. 272	GSC, 1965, Map 1480 G, Ottertail Creek ODM, 1967, Map P. 394, Tomiko OGS, 1971, Map P. 679, Tomiko Area (East Half) Parkman Twp. AF, Iron City Mines Ltd. Prospectus, 1966, Iron City Mines Ltd.
B.	Tyrrell Prospect (Bishop [Otter Lake], Opimika Creek, Tyrrell Iron City)	IF - major	N-0071	MDC 11, p. 272-273 NMI - 31L/14 Fe 1	GSC, 1965, Map 1480G, Ottertail Creek ODM, 1967, Map P. 394, Tomiko OGS, 1971, Map P. 679, Tomiko Area (East Half) Parkman Twp. AF, Iron City Mines Ltd. Prospectus, 1966, Iron City Mines Ltd.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
C.	Webb Lake (Iron City)	IF - major	N-0073	MDC 11, p. 273 NMI 31L/14 Fe 1	GSC, 1965, Map 1480G Ottertail Creek ODM, 1967, Map p. 394, Tomiko OGS, 1971, Map p. 679, Tomiko (East Half) Parkman Twp. AF, Iron City Mines Ltd. Propsectus, 1966, Iron City Mines Ltd. Assays in MDIR
D.	Troutbait Lake (Emerald Lake)	ma		IMR 28, p. 82, 83	

GDIF FORM NO. 1

PARKMAN TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Iron City Mines Ltd., Parkman & McAuslan Twp. AFRO # 2.1056	65		69 72 77	65 66 69 70 71 72 73	65 66 70 71 72						65 66 69 70 72		70						
2	Hardie Iron Prospect				59	59														
3	Hopkins, Albert			77																
4	Mortimer, Charles H. (1980)			80	80															
5	Venture Ltd. (Tyrrell Iron Prospect)	60			60	60						60								

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Iron City Mines Ltd.	73-1	1973	-	-90	11.5	109	mi, talc, py	
2	Iron City Mines Ltd.	73-2	1973	-	-90	8	105.5	dol, mi	
3	Iron City Mines Ltd.	73-3	1973	-	-90	13	102	mi, dol	
4	Iron City Mines Ltd.	73-4	1973	-	-90	14	108	mi, ep, dol	
5a	Iron City Mines Ltd.	73-5	1973	180	-30	11.5	104	mi, ep, dol	
5b		73-6	1973	180	-40	18.5	125	dol, mi	
5c		73-7	1973	180	-45	11	123	dol	
5d		73-8	1973	180	-50	14	137	dol, mi, talc	
5e		73-9	1973	180	-60	13	150	dol, mi	
5f		73-10	1973	180	-70	18	150	dol	
5g		73-11	1973	180	-80	10	169	dol, talc	
5h		73-12	1973	-	-90	15	126	dol, mi	
6a	Ventures Ltd.	60-1	1960	115	-50	57	318	mi, gt	
6b		60-2	1960	090	-50	90 (abandoned)	90		
6c		60-3	1960	090	-50	41	393	IF, po, mi gt, mag	Fe, Ni

GDIF FORM NO. 3

PARKMAN TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
7a	Ventures Ltd.	60-4	1960	090	-50	43	355	mi, gt, IF, cp, po	Fe, Cu
7b		60-5	1960	090	-50	55	306	mi, gt, IF	
7c		60-6	1960	115	-70	38.5	196	IF, mag, ch	
8	Iron City Mines Ltd.	13	1966	078	-45	10	656	IF, mag. mi, po, py, hem, cp	Au, Ag, Fe, spectrographic analysis
		(Two logs	for this	hole,	drilled	in 1970.	deepened	in 1971)	
9a	Iron City Mines Ltd.	70-1	1970-1971	170	-60	25	284	mi, po, py, gt, mag, cp	Fe, spectrographic analysis
9b		71-1	1971	090	-45	14	214.5	mi, po, gt, mag	Fe
10	Iron City Mines Ltd.	71-2	1971	090	-63	12.5	403	mag, mi, po gt	Fe
11a	Iron City Mines Ltd.	71-3	1971	090	-45	8	305	gt, mi, po, mag	Fe

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
11b	Iron City Mines Ltd.	71-4	1971	175	-45	12.5	175	gt, mi, po, mag, py	Fe, Ni, spectro-graphic analysis
11c		71-5	1971	315	-45	15	122.5	mi, po, py, mag	Fe, Ni
12a	Iron City Mines Ltd.	8	1966	115	-45	35	750	IF, gt, mi	Fe
12b		9	1966	-	-90	40	457	IF, mag, gt, mi, po, cp	Fe
13a	Iron City Mines Ltd.	10	1966	115	-45	6	515	lst, mi, mag, gt, po, hem	Fe, Ni, Co, pt, Cu, spec-trographic analysis
13b		HH-1	1966	-	-90	-	102	lst, IF, mag, hem, gt	Fe, Mn
14a	Iron City Mines Ltd.	HH-2	1966	-	-90	-	101	IF, mag, hem, gt	Fe, Mn
14b		HH-3	1966	-	-90	0	103	IF, mag, hem, gt	Fe, Mn

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
15a	Iron City Mines Ltd.	11	1966	092	-45	5	860	mi, gt, mag, po, cp, IF, hem	Fe, Cu
15b		12	1966	-	-90	7	601	IF, mag, mi	Fe
16	Iron City Mines Ltd.	7	1966	205	-45	5	836	hem, IF, mag, mi	Fe, Mn
17	Iron City Mines Ltd.	69-1	1969	090	-45	4.5	101	mi, py	
18a	Iron City Mines Ltd.	72-1	1972	000	-45	13.6	400	hem, mi, mag, IF	
		(Two logs	for this	hole	since	it was	deepened	in 1972)	
18b		72-2	1972	000	-45	-	334.5	mi, hem, ep, gt, py, cp, IF	
18c		72-3	1972	000	-45	15	400	mi, hem, talc, serp, py, po, cp, gt, mag	
19a	Iron City Mines Ltd.	72-4	1972	270	-45	0	337.5	mag, gf, mi, po, Ni	
19b		17	1966	090	-45	15	361	mi, gt, IF, mag, po	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
20a	Iron City Mines Ltd.	72-5	1972	080	-45	0	292.5	mi, lst, IF, py, po, hem, mag	
20b	Iron City Mines Ltd.	72-6	1972	080	-45	0	309.2	mi, py, hem, mag, IF	
21	Iron City Mines Ltd.	1	1966	202	-45	102 (abandoned)	102		
22	Iron City Mines Ltd.	2	1965-1966	055	-45	132	962	gt, mag, mi, py	Fe, spectrographic analysis
23a	Iron City Mines Ltd.	3	1966	022	-45	103 (abandoned)	103		
23b		3A	1966	022	-58	142	862	IF, mag, mi	
24a	Iron City Mines Ltd.	4	1966	195	-80	102 (abandoned)	102		
24b		4A	1966	195	-75	108 (abandoned)	108		
24c		V-3	1966	-	-90	167	775	mi, gt	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
25	Iron City Mines Ltd.	V-1	1966	-	-90	137	996	IF, mi, gt, hem, mag	Fe, Mn
26	Iron City Mines Ltd.	V-2	1966	-	-90	163	1051	mag, mi, IF, gt, hem	Fe, Mn
27	Iron City Mines Ltd.	V-4		-	-90		2300		
28a	Iron City Mines Ltd.	5	1966	008.5	-45	4	844	mi, mag, IF,	Fe, Ni, S
28b		6	1966	-	-90	5	117	gt	
29	Iron City Mines Ltd.	70-2	1970						
30a	Hardie Iron Prospect	1	1959	285	-85	0	27	mag, po	Au
30b		2	1959	-	-90	0	34.5	mag, po	Au
30c		3	1959	-	-90	0	27	gt, mag	
31a	Mortimer, Charles H.	1	1980	135	-35	47.5	106.2	mi, gt	
31b		2	1980	135	-30	85	107	mi, gt	
31c		3	1980	142	-40	1.6	103.7	mi, gt	
31d		4	1980	142	-45	5	115.5	mi, gt	
31e		5	1980	142	-50	0	104.5	mi	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of February 14, 1986				

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of February 14, 1986			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of February 14, 1986			

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C1	136/10

on file in Cobalt office

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt

Augdome Corp.
Cessland Corp. Ltd.
Iron City Mines Ltd.
Ventures Ltd.

ODM GENERAL INDEX SEARCH

Words searched:
Bishop
Green Lake
Hardie Iron Prospect
Hopkins, Albert
Iron City Mines Ltd.
Mortimer, Charles
Opimika Creek
Ottertail Creek
Parkman Twp.
Troutbait Lake
Tyrrell Prospect
Venture Ltd.
Webb Lake

Index Volume	Listing:	Report Volume	Part	Page
8	Green Lake Prospect			
	Parkman Twp., Nipissing Dist.	MRC 11		272
	Opimika Narrows			
	Parkman Twp., Nipissing Dist.	IMR 28		83
	Parkman Twp., Nipissing Dist.			
	iron	MRC 11		272-273
	marl	IMR 28		82-83
	Troutbait Lake			
	Parkman Twp., Nipissing Dist.	IMR 28		82-83
	Tyrrell Prospect			
	Parkman Twp., Nipissing Dist.			
	mining property, report on	MRC 11		272-273
	Webb Lake Occurrence			
	Parkman Twp., Nipissing Dist.	MRC 11		273

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayers, L.D., Lumbers, S.B., Milne, V.G., Robeson, D.W.	1971	Ontario Geological Map, East Central Sheet	ODMNA Map 2198	1:1 013 760
Card, K.D. et al	1971	Sudbury-Cobalt Sheet, Geological Compilation Series, Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming Districts, Ontario	ODMNA Map 2188	1: 253 440
Card, K.D., Lumbers, S.B.	1977	Sudbury-Cobalt, NTS 31L/W, 31M/SW, 41I, 41P/S, Sudbury & AL 5 Districts, Ontario	OGS Map 2361	1:253 440
Lumbers, S.B., Milne, V.G.	1979	Ontario Geological Map, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS Map 2393	1:1 013 760
		GEOPHYSICAL MAPS		
	1957	Ottertail Creek, Ontario-Quebec	GSC Map 508G	1:63 360
	1965	Ottertail Creek, Ontario-Quebec, NTS 31L/14	GSC Map 1480G	1:63 360
GSC-OGS	1978	Airborne gamma-ray spectrometry maps and profiles	OGS Map Set 1649-1687	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, North Bay-Marten River Area, NTS 31L/W, 41I/E, Districts of Nipissing and Sudbury, Ontario	OGS Map 2297	1:100 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Gupta, V.K. Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario: Districts of Sudbury, Nipissing and Temiskaming; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No. 26 pp. 160-164
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario; A Progress Report; in Summary of Field Work, 1982, edited by J. Wood et al, Ontario Geological Survey	OGS MP 106	No. 24 pp. 165-167
Symons, D.T.A., Stupavsky, M.	1983	Analysis of Aeromagnetic Anomalies over Algoman-Type Iron Formation; Ontario Geoscience Research Grant Program - Grant No. 143	OGS OFR 5476	
GSC	1984	Sudbury, Ontario and Quebec, IMW NL16/17, Magnetic Anomaly Map	GSC Map NL16/17 - M	1:1 000 000
Gupta, V.K.	1985	Cobalt Embayment Interpretation: Depth to Basement and Distribution of Nipissing Diabase from Aeromagnetics; in Summary of Field Work and Other Activities, 1985, edited by John Wood, Owen L. White, R.B. Barlow and A.C. Colvine, Ontario Geological Survey	OGS MP 126	pp. 178-181
		Geophysical Map	GSC Map 7066G	1:253 440
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84 and No. 134	1:50 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1951	Ottertail Creek, Ontario-Quebec, topographic	NTS 31L/14 NTS 31L/14E NTS 31L/14W	1:50 000
	1978	North Bay, topographic	NTS 31/L	1:250 000
Vincent, J-S, Hardy, L.	1979	The Evolution of Glacial Lakes Barlow and Ojibway, Quebec and Ontario	GSC Bull. 316	
Gartner, J.F.	1980	Tomiko Area, NTS 31L/NW, Nipissing District, Ontario	NOEGTS 96 OGS Map 5040	1:100 000
	1982	Ontario Basic Maps	MNR Maps 20 17 6200 51900 20 17 6300 51900 20 17 6200 51800 20 17 6300 51800 20 17 6400 51800	1:20 000
		Parkman Township Claim Map	MNR Map G-1666	1" = 40 ch.
		Tomiko, topographic	NTS 31L/NW	1:260 720
		MINERAL POTENTIAL		
Springer, J.S.	1978	Ontario Mineral Potential, Parts of North Bay, Deep River & Ville Marie, NTS 31 K, L, M, Renfrew County & 2 Districts, Ontario	OGS Map P. 1510	1:250 000

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Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL		
Vos, M.A., Smith, B.A. Stevenato, R.J.	1981	Industrial Minerals of the Sudbury Area, NTS 31/E, 31/L, 41/H, 41/I, Sudbury, Nipissing, Parry Sound and Manitoulin Districts	OGS OFR 5329	
Robertson, J.A.	1982	Uranium and Thorium Deposits of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS Map P. 2426	1:1 013 760
Springer, J.S., Robertson, J.A., Vos, M.A.	1982	Mineral Potential Map of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS OFR 5327	
Yundt, S.E.	1982	Industrial Minerals of Ontario	OGS Map P. 2591	1:1 500 000
Vos, M.A., Abolins, T., McKnight, R.L.W., Smith, V.	1983	Industrial Minerals of Northern Ontario, Parts 1 and 2, NTS 31/NW, 32/W, 41/N, 42, 43, 52, 53	OGS OFR 5386	
Vos, M.A., Smith, V.	1983	Industrial Minerals of Northern Ontario - Supplement 2	OGS OFR 5439	
		GEOCHEMICAL		
		No data available as of February 14, 1986		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Logan, W.E.	1847	On the Topography and Geology of the Ottawa River and Some of its Tributaries with Notes on Economic Minerals; Tables of Levels of the Ottawa River to Lake Timiskaming, the Mattawa River to Lake Nipissing, Lake Nipissing to Lake Huron	*GSC Report of Progress 1845-1846, pt. a	
Bell, R.	1892	The Laurentian and Huronian Systems North of Lake Huron	*OBM Annual Report, 1891, vol. 1	pp. 63-94
Bell. R.	1892	Map of Parts of Districts of Nipissing and Algoma Exhibiting the Country around Sudbury and Eastward to Ottawa River	*OBM Map 1a	1:253 440
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing, Ontario and the County of Pontiac, Quebec	*GSC Annual Report X, pt. 1 *GSC Maps 599 and 606	
Barlow, A.E.	1908	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets	*GSC Separate Report 962 *GSC Map 944	
Roscoe, S.M.	1957	Geology and uranium deposits, Quirke Lake-Elliot Lake-Blind River Area, Ontario (Preliminary Report)	GSC Paper 56-1	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Lumbers, S.B.	1967	Tomiko Sheet, District of Nipissing, Ontario	ODM Map P. 394	1:126 720
Lumbers, S.B.	1971	Tomiko Area, East Half, Nipissing District, Ontario	ODMNA Map P. 679	1:63 360
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
		No data available as of February 14, 1986		
		* Out of Print		

NOTES AND ADDENDA

The exploration data maps show only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drillhole data.

On the maps, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present or past producers.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	39	138	31-38
	217	139	8-17
	217	140	36-49
	38	140	36-48
	38	141	115-125
	217	142	108-148
	37	142	99-113
1958	057	4636	69-77
	054	4635	15-24
	054	4634	39-51
	058	4633	22-35
1970	49	4636	51-60
	49	4635	111-112
	38	4634	212-224
	38	4633	155-167
1977	18	4636	88-97
	78	4635	99-112
	20	4634	30-42
	20	4633	52-65

GDIF FORM NO.30

BURNABY

ANGUS

46°52'30"

79°22'00"

Otterfall Creek

Opimika Creek

Opimika Creek

Webb Lake

Opimika

Opimika

Opimika

Lake

Main Channel Island

McLaren Point

McLaren Bay

PROVINCE DE QUÉBEC
PROVINCE OF ONTARIO

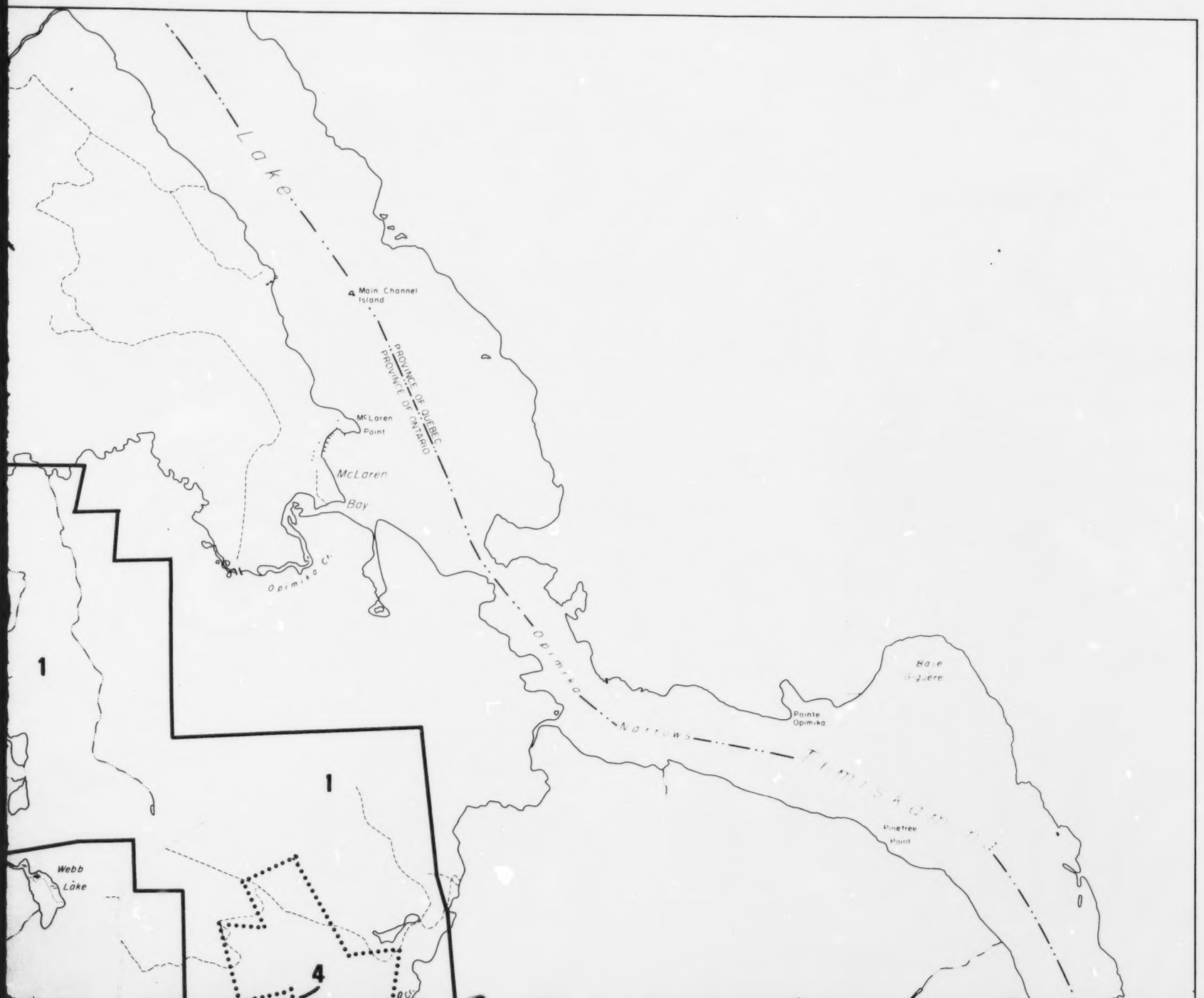
1

2

3

4

5



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 330

(Map 1 of 2)

PARKMAN TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

46°52'30"

79°22'00"

ANGUS

McAUSLAN

1

2

5

5

1

5

1

3

1

1

4

Creek

Opimiko

Opimiko

Opimiko

Opimiko

Opimiko

Opimiko

Main Channel Island

PROVINCE OF QUEBEC
PROVINCE OF ONTARIO

McLaren Point

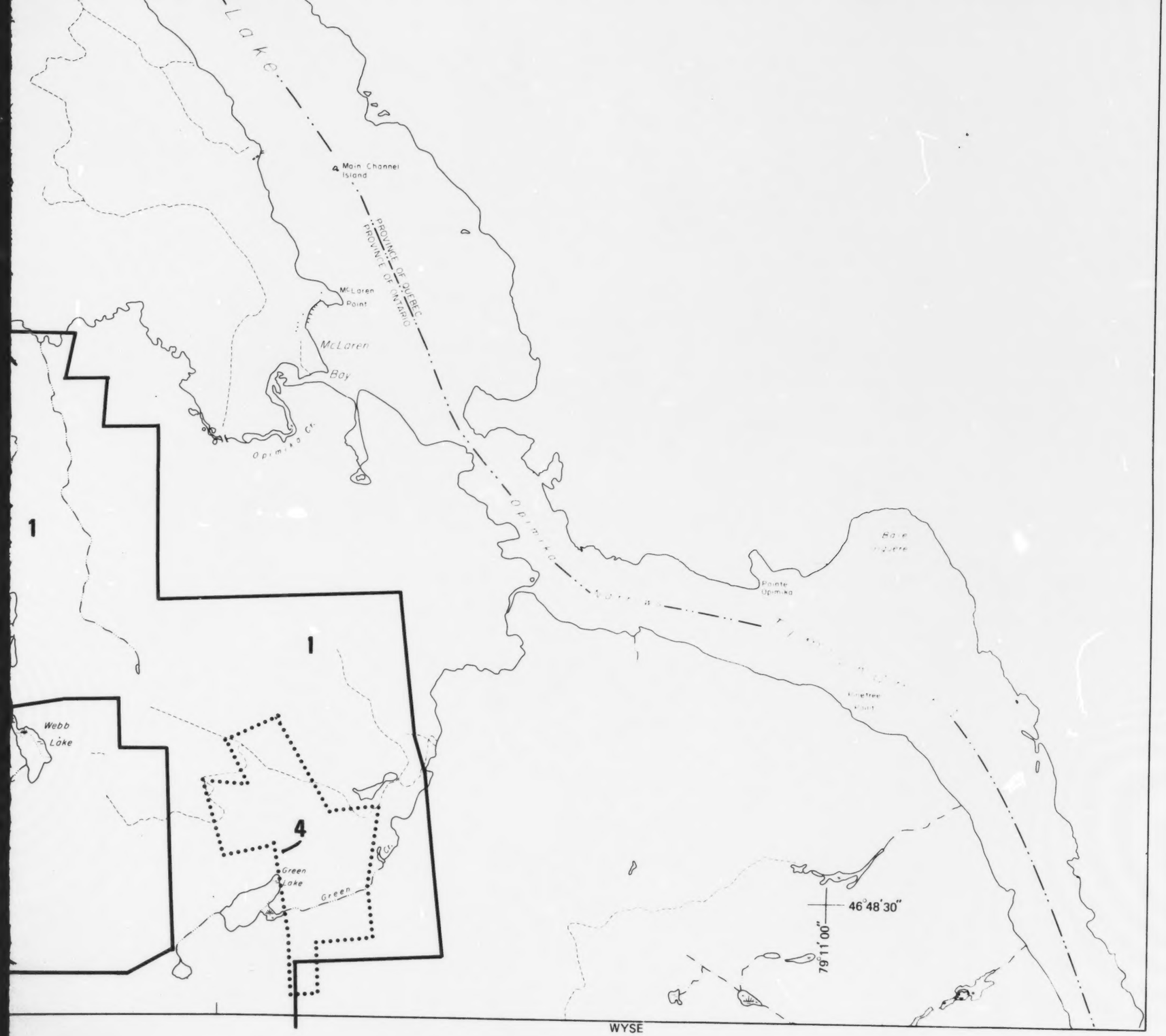
McLaren Bay

Webb Lake

Green Lake

Green

Trout bait Lake



ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 330

(Map 1 of 2)

PARKMAN TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

■ 1 6 — Reference number is always inside work area outlined. See listing in text pages.

□ x 4 — Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ☐ Sand and/or gravel pit

BURNABY

ANGUS

46°52'30"

79°22'00"

Otterfall Creek

Webb Lake

BURNABY

46°52'30"
79°22'00"

Ottertail Creek

Opimika Creek

Opimika

Webb Lake

Opimika Narrows

Timiskam

Pointe Opimika

Baie Giguère

Pinetree Point

Main Channel Island

Welcome Bay

13.30

B. IF

C. IF

M

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 330

(Map 2 of 2)

PARKMAN TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter

DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- □ ◎ — Property with underground drillholes in this general area, with reference number

☐ ✳² Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

☐ -AM- Airborne magnetic anomaly

☐ Airborne electromagnetic anomaly
Length of anomaly along flight line

☐ Airborne electromagnetic anomaly
Location of anomaly along flight line

☐ Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible

☐ -ARA- Airborne radiometric anomaly

■ -M- Ground magnetic anomaly

☐ VL Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal Loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)

☐ -RA- Ground radiometric anomaly

☐ -IP- Induced polarization anomaly

☐ -SP- Self potential anomaly

☐ -AFMAG- Audio-frequency magnetic anomaly
(total intensity)

☐ -R- Resistivity anomaly

☐ -GR- Gravity anomaly

MISCELLANEOUS DATA

■ Trenching, pit

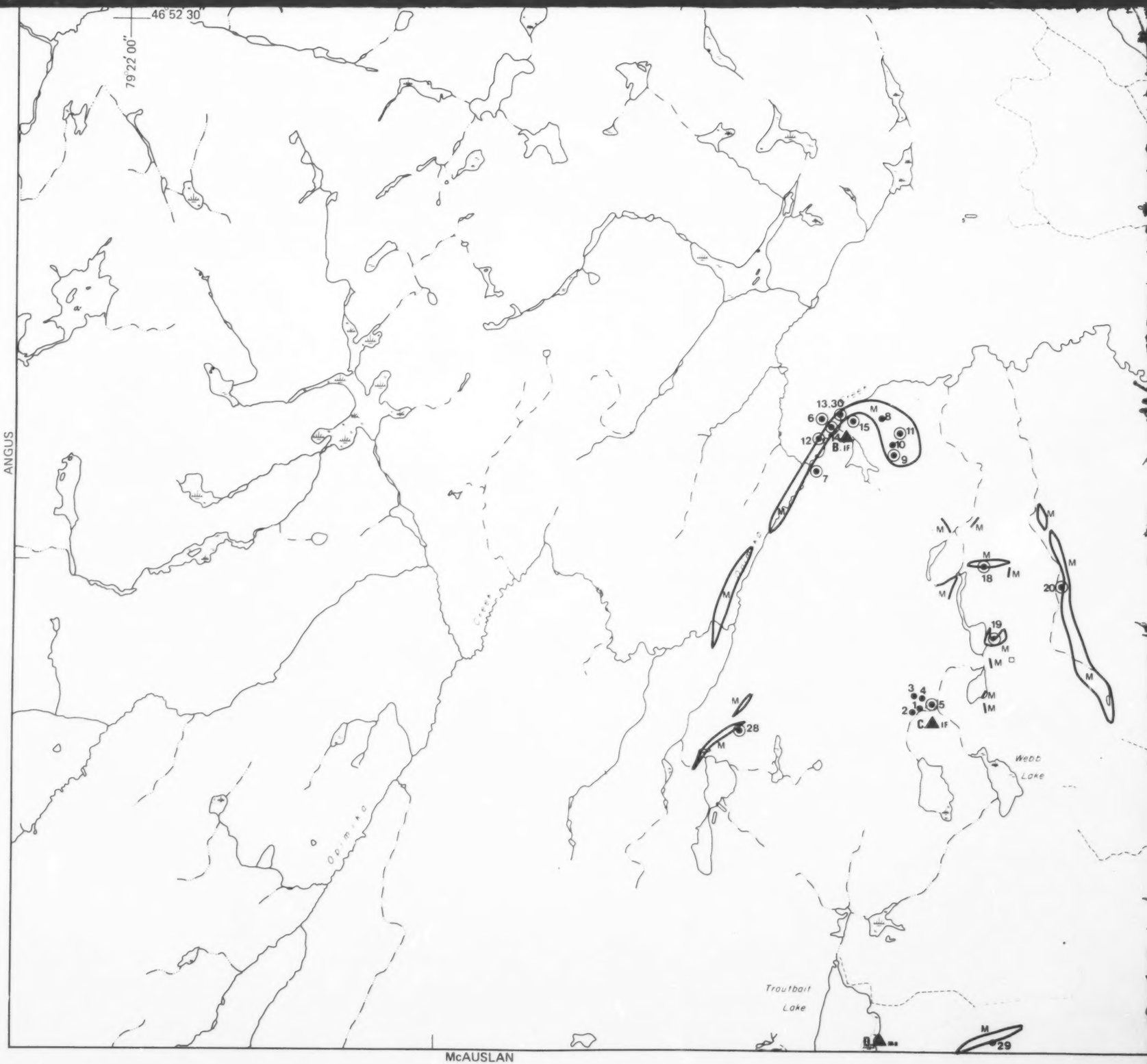
☐ Adit

☐ Open pit

☐ Rock quarry

☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



McAUSLAN

6 52 30

Main Hunner Island

McLaren Point

MELDRUM BAY

Boie Giguere

Pointe Opimika

Opimika River

Timiskaming

Pinetree Point

Opimika

Creek

Webb Lake

Trout Bait Lake

13.30

B. IF

C. IF

D. IF

E. IF

46° 48' 30"

79° 11' 00"

McAUSLAN

WYSE

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 330

(Map 2 of 2)

PARKMAN TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
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DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- □ — Property with underground drillholes in this general area, with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕² — Reverse circulation drillhole; churn drilling, with reference number

Main Channel Island

McLaren Point

McLaren Bay

Baie Giguere

Pointe Spirale

Pinetree Point

Webb Lake

Creek

Lake

46°48'30"

79°11'00"

WYSE